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" +4!6%#'( )!2+/3-4)!.#, +4#!5!789:89;97!

!?'<9S@R@G9'R9<EBFG;EA'GD9'CEA<G;GF9AG'0@CFBG?'E0'GD9' 5 @A=9B'&CDEEB'<9G<'GD9'<S9C;0;C'R@G;E'  
E0'G9AFR9=JG9AFR9'GR@CX'GE'AEAJG9AFR9'GR@CX'0@CFBG?' + EU9:9R1'@<'<G@G9=';A' \$RG;CB9'71'  
&9CG;EA'4'E0'GD9' . A; : 9R<;G?' )@CFBG?' + @A=>EEX1'9aC9SG'FA=9R'<S9C;@B'C;RCFV<G@AC9<'UD;CD'  
@R9'R9: ;9U9='>'GD9' )@CFBG?'&9A@G9'@A='@SSRE:9='>'GD9'SRE: E<G1'GD9'V@^ER;G?'E0'GD9'  
: EG;AW'FA; : 9R<;G?'0@CFBG?' V9V>9R<'@G'@BB'G; V9<'U;GD;A'9@CD'CEA<G;GF9AG'0@CFBG?'<D@BB'>9'  
G9AFR9='ER'G9AFR9'GR@CX'0@CFBG?'\  
,

LTN \*9RV;A@G;EA<'A'GD9' - @<9'E0' );A@AC;@B' , a;W9AG' - ;RCFV<G@AC9<'  
,

7A'@CCER=@AC9'U;GD' - D@SG9R'N1'2@RG' ( A9!71' , \!N'E0'GD9' . A; : 9R<;G?' )@CFBG?' + @A=>EEX1'  
GD9<9'>?B@U<'<9G'OERGD'GD9'OEBBEU;AW'WF;=9B;A9<'0ER'G9RV;A@G;EA'E0'0@CFBG?';A'GD9'9:9AG'E0'  
0;A@AC;@B'9a;W9AC;9<'0@C;AW'GD9'<CDEEB'\ '&S9C;@B'0@CFBG?1';A'R9:9R<9'ER=9R'E0'<9A;ER;G?'E0'

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"#\$%&#'( )! \* + , '#-!./011-!2+/3-4)!5!!"#\$%&!!

" +4!6%#'( )!2+/3-4)!.#, +4#!5!789:89;97!

Ltc - 9RG;0;C@G;EA'EO' 8 EG;AW' 5 9V>9R<'

\*D9'=9@A'EO'GD9' 5 @A=9B'&CDEEB'<D@BB'C9RG;0?'GD9'A@V9<'EO'@BB'@=V;A;<GR@G; : 9'=:R9CGER<'U;GD'  
0@CFBG?'R@AXI'0@CFBG?'V9V>9R<'@A='<GF=9AG<'UDE'@R9' : EG;AW'V9V>9R<'EO'GD9'0@CFBG?'1'@A='  
GD9;R'R9<S9CG; : 9'R@AX<'G;GB9<'@A='SE<;G;EA<'U;GD;A'NM'=@?'<'@OG9R'GD9'>9W;AA;AW'EO'GD9'  
@C@=9V;C'?9@R'@A='GD9R9@OG9R'@<'A9U'@SSE;AGV9AG<'ECCFR'\\*D;<'B;<G'<D@BB'>9'C;RCFB@G9='GE'  
GD9'0@CFBG?'@<'EEA'@<'SE<;>B9'@OG9R'GD9'>9W;AA;AW'EO'GD9'@C@=9V;C'?9@R\'

Ltd )@CFBG?' 6E<G9R'

\*D9'=9@A'<D@BB'OFRA;<D'GE'GD9'<9CR9G@R?'EO'GD9'FA; : 9R<;G?'@'B;<G'EO'@BB'V9V>9R<'EO'GD9'  
0@CFBG?';A'@CCER=@AC9'U;GD' \$ RG;CB9'KI'&9CG;EA' )1'EO'GD9'CEA<G;GFG;EA'EO'GD9' . A; : 9R<;G?'  
)@CFBG?'

LTQ 8 EG;AW' 5 9V>9R<'EO' - EVV;GG99<'

\$ BB'G9AFR9=1'G9AFR9'GR@CXI'AEA]G9AFR9='GR@CX'@A='<S9C;@B'0@CFBG?'@R9' : EG;AW'V9V>9R<'EO'  
<G@A=;AW'ER'@='DEC'CEVV;GG99<'GE'UD;CD'GD9?'@R9'@SSE;AG9='ER'9B9CG9=\\

\$ RG;CB9'N'  
5 99G;AW<'

NTK..... - EA<G;GF9AG' )@CFBG?' 5 99G;AW<'

\*D9'0@CFBG?'<D@BB'DEB='9;WDG'V99G;AW<'

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" +4!6%#'( )!2+/3-4)! . # , +4#!5!789:89;97!

\*D9' - D@;R'E0'&G99R;AW'ER'=9<;WA@G9='=9SFG?'<D@BB'SR9<;=9'@G'>EGD'R9WFB@R'@A='<S9C;@B'  
V99G;AW<'@A='<D@BB'CEA=FCG'<FCD'V99G;AW<';A'@CCER=@AC9'U;GD'6 ( ! , 6 \* & ' 6 . # , & ' ( )'

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" +4!6%#'( )!2+/3-4)!.#, +4#!5!789:89;97!

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" +4!6%#!(!)!2+/3-4)!.#, +4#!5!789:89;97!

AEA]G9AFR9'GR@CX'C@A'@SSB?'0ER'@A'ES9A'G9AFR9'GR@CX'SE<;G;EA1'>FG';0'GD9?'VE:9';AGE'@'  
G9AFR9'GR@CX'SE<;G;EA1'GD9?'C@AAEG'VE:9'>@CX'GE'@'AEA]G9AFR9'GR@CX'<G@GF<'

'  
\*D9' 5 @A=9B'&CDEEB'<D@BB'SRE:;=9'@A'@SSRESR;@G9'@BBEC@G;EA'EO'R9<EFRC9'<@A='G;V9'YG@X;AW'  
>AGE'@CCEFAG'R@AX'@A='G?S9'EO'0@CFBG?'@SSE;AGV9AGZ'OER'<CDEB@RB?'WREUGD1'@C@=9V;C'  
>@CD;9:9V9AG1'@A='SRE09<<;EA@B'=9:9BESV9AG1'@A='<D@BB'=9B;A9@G9'GD9'CEVV;G'V9AG'EO'  
>R9<EFRC9'GD@G'@CCEVS@A?'@A'@U@R='EO'G9AFR9'\'

PTNTL \$SSE;AGV9AG<'!9?EA='2R9]\*9AFR9'29R;E='

'  
5 @A=9B'&CDEEB'0@CFBG?'V9V>9R<'UDE'D@:9'>99A'=9A;9='G9AFR9'>'GD9'FA;:9R<;G?'V@?'>9'  
>W;:9A'R9A9U@>B9'G9RV'@SSE;AGV9AG<'AEG'B9@=;AW'GE'G9AFR9'CEA<;=9R@G;EA1'CEAG;AW9AG'FSEA'  
>0FBB'0;A@AC;@B'<FSSERG'OREV'AEA]FA;:9R<;G?'R9<EFRC9<'&FCD'0@CFBG?'V9V>9R<'UEFB='>9';A'  
>GD9'<S9C;@B'0@CFBG?'C@G9WER?'\'

PTPTK - FRR;CFBFV' - EVV;GG99'H') FACG;EA'

'  
\*D9'SFRSE<9'EO'GD9' - FRR;CFBFV' - EVV;GG99'<D@BB'>9'GE'SRE:;=9'B9@=9R<D;S1'9<G@>B;<D'  
><G@A=@R=<'@A=';A;G;@G9'@CG;:;G;9<'OER'E:9R@BB'SB@AA;AW1'=9:9BESV9AG1'@A='CEER=;A@G;EA'EO'  
>GD9'=9WR99'@A='AEA]=9WR99'ER'9=FC@G;EA@B'SREW@V<'7G'<D@BB'R9CEVV9A='GE'GD9'0@CFBG?'  
>SEB;C;9<'@A='SREC9=FR9'<'U;GD'R9<S9CG'GE'GD9'OEBBEU;AWT'

'  
>\ CFRR;CFBFV'SD;BE<ESD?'@A='<G@A=@R=<'f'  
>\ E:9R@BB'<GRFCGFR9f'  
>C\



- C\ GUE'<GF=9AG<'9B9CG9='>?'GD9'E00;C;@BB?'R9CEWA;[9='<GF=9AG'WE : 9RAV9AG'  
ERW@A;[ @G;EAF'
- =\ @'R9SR9<9AG@G; : 9'<9B9CG9='>?'GD9'\$BFVA; ! E@R=f'
- 9\ EA9'V9V>9R'OREV'GD9'@='FACG'0@CFBG?'!@SSE;AG9='>?'GD9'@<<EC;@G9'=9@A'OER'  
@C@=9V;C'@00@;R<f'
- 0\ GD9'@<<;<G@AG'=9@A'OER'<GF=9AG'<9R : ;C9<f'
- W\ GD9'@<<;<G@AG'=9@A'E0'0;9B='9=FC@G;EA'ER'@'='9<;WA99f'@A=l'
- D\ @'0;9B=';A<GRFCGERI'R9CEVV9A=9='>?'GD9'@<<;<G@AG'=9@A'E0'0;9B='9=FC@G;EA\''

\*D9'CEVV;GG99'CD@;RS9R<EA'<D@BB'>9'@SSE;AG9='>?'GD9'=9@A\'

5 9V>9R<'E0'GD9'0@CFBG?'V@?'<F>V;G'AEV;A@G;EA<'OER'CEVV;GG99'V9V>9R<D;S'GE'GD9'CD@;R'  
E0'GD9'CEVV;GG99'@A='V@?'AEV;A@G9'GD9V<9B : 9<\''\*D9' - FRR;CFBFV' - EVV;GG99'U;BB'<9B9CG'  
AEV;A99<'@A=l';A'GD9'<SR;AW'<9V9<G9R1'SR9<9AG'GE'GD9'0@CFBG?'@'<B@G9'GD@G'V99G<'GD9'CR;G9R;@'  
OER'>@B@AC9\''\*D9'<B@G9'<D@BB'>9'<9AG'GE'0@CFBG?'@G'B9<'EA9'U99X';A'@=: @AC9'E0'GD9'V99G;AW'  
@G'UD;CD'GD9'9B9CG;EA';<'GE'ECCFR'\\$A?'V9V>9R'E0'GD9'0@CFBG?'V@?'<F>V;G'@A'@BG9RA@G; : 9'  
<B@G9\'

)@CFBG?'<D@BB'>9'9B9CG9='GE'E : 9RB@SS;AW'GDR99]9@R'G9RV<|'

PTITK - EVV;GG99'EA'&GF=9AG<H' ) FACG;EA'

\*D9' - EVV;GG99'EA'&GF=9AG<'<D@BB'>9'R9<SEA<;>B9'OER'OERVFB@G;AW'SEB;C;9<'R9B@G9='  
GE'@RR?;AW'EFG';G<'@=V;A;<GR@G; : 9'0FACG;EA<'@A='OER'R9CEVV9A=;AW'<FCD'SEB;C;9<'GE'GD9'  
&G99R;AW' - EVV;GG99'@A='0@CFBG?'OER'@CG;EA\'

\*D9'CEVV;GG99'<D@BB'V@X9'@=V;A;<GR@G; : 9'=9C;<;EA<'R9W@R=;AWT'

@\ <GF=9AG<'UDE<9'>9D@ : ;ER';<'=9G9RV;A9='>?'GD9'49@Ak<' - EVV;GG99'EA' - EA<FBG@G;EA'GE'  
>9';A' : ;EB@G;EA'E0'GD9'2RE09<<;EA@B' - E=9'E0' - EA=FCG'2EB;C?'Y<99'GD9'5 &% '2REWR@V'  
7A<GRFCGERk<'5 @AF@B'@A='GD9'5 &% '&GF=9AG'+@A=>EEXZf'

>\ <GF=9AG<'UDE'@SS9@R'GE'>9'FA@>B9'GE'V@X9'<@G;<0@CGER?'SREWR9<<;A'V99G;AW'0;9B='  
9aS9CG@G;EA<f'

C\ <GF=9AG<'UDE'U;<D'GE'S9G;G;EA'OER'R9;A<G@G9V9AG'OEBBEU;AW'G9RV;A@G;EA\''

)EBBEU;AW'=9B;>9R@G;EA<;A'GD;<'@=V;A;<GR@G; : 9'REB91'GD9'CEVV;GG99'<D@BB'R9CEVV9A='@'SB@A'  
E0'@CG;EA'GE'GD9'@<<EC;@G9'=9@A'OER'@C@=9V;C'@00@;R<;ACBF=;AW'<F<S9A<;EA1'G9RV;A@G;EA1'  
R9;A<G@G9V9AG'ER'AE'0FRGD9R'@CG;EA\''\*D9'@<<EC;@G9'=9@A'OER'@C@=9V;C'@00@;R<'U;BB'SRE : ;=9'  
GD9'0;A@B'=9C;<;EA'EA'GD9'CEVV;GG99k<'@=V;A;<GR@G; : 9'@CG;EA\''\$G'@A?'SE;AG'GD9'CEVV;GG99'  
V@?'CEA<FBG'U;GD'GD9' . A; : 9R<;G?' ( 00;C9'E0'&GF=9AG'\$00@;R<|'

&GF=9AG'@SS9@B<'E0' - EVV;GG99'EA'&GF=9AG<k'@CG;EA<'<D@BB'>9'V@=9'GE'GD9'=9@A\'

PTITL - EVV;GG99'EA'&GF=9AG<H' 5 9V>9R<D;S'

\*D9'CEVV;GG99'@A=';G<'V9V>9R<'<D@BB'>9'@SSE;AG9='>?'GD9'=9@A\''\*D9'CEVV;GG99';ACBF=9<'  
GD9'@<<;<G@AG'=9@A'E0'<GF=9AG'<9R : ;C9<l'@<<;<G@AG'=9@A'E0'0;9B='9=FC@G;EA'ER'D;<JD9R'

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"#\$%#'( )!\*+, '#-!./011-!2+/3-4)!5!!"#"\$%\$&!!!

" +4!6!#'( )!2+/3-4)!.#, +4#!5!789:89;97!

<GF=9AG<'9AREBB9=';A'GD9'=ECGER@B'SREWR@V1'GD9'CD@;RS9R<EA'E0'GD9'=ECGER@B'SREWR@V1'GD9'  
=9@A1'@A='GDE<9'S9R<EA<'UDE'D@:9'V@^ER'R9<SEA<;>;B;G?'0ER'CEA<G;GF9AG'@R9@<'E0'GD9'

E: 9RB@SS;AW'GUEJ?9@R'G9RV<'@A='V9V>9R<'V@?'>9'R9@SSE;AG9=\ '\*D9'CD@;R'<D@BB'>9'GD9' B;>R@R?'=;R9CGER\

PTdTK 69<9@RCD' g '\*R@;A;AW'&F>CEVV;GG99'

\*D9'SFRSE<9'E0'GD9' 69<9@RCD' g '\*R@;A;AW'&F>CEVV;GG99';<'GE'9<G@>B;<D'@A='@<<FR9'@' <CDEB@RB?'R9<9@RCD'9A: ;REAV9AG'U;GD;A'GD9'<CDEEB\&S9C;0;C@BB?'I'GD9'CEVV;GG99'<D@BBT'

- 1 2RE: ;=9'B9@=9R<D;S'@A=';A;G;@G9'@CG;: :G;9<'OER'E: 9R@BB'SB@AA;AW'@A='=9: 9BESV9AG'E0' R9<9@RCD'@A='GR@;A;AW'WR@AG<'@A='OFA=;AW\
- 1 69CEVV9A='GE'GD9'&G99R;AW' - EVV;GG99'SEB;C;9<'@A='SREC9=FR9<'U;GD'R9<S9CG'GE' <FSSERG;AW'@A='@=: @AC;AW'GD9'R9<9@RCD'V;<<;EA'E0'GD9' 5 @A=9B'&CDEEB\
- 1 \$<<9<<'GD9'GR@;A;AW'@A='SRE09<<;EA@B'=9: 9BESV9AG'A99=<'E0'0@CFBG?'I'=ECGER@B'<GF=9AG<' @A='<G@00'U;GD'R9<S9CG'GE'R9<9@RCD'@A='R9CEVV9A='SREWR@V<'GE'V99G'GD9'9'A99=<'
- 1 2R9S@R9'@A='=9B;: 9R'GE'GD9'&G99R;AW' - EVV;GG99'I'@G'B9@<G?'9@RB?'I'@'R9SERG'EA'R9<9@RCD' @A='GR@;A;AW'SREWR@V<'@A='E0'GD9' 5 @A=9B'&CDEEB'R9<9@RCD'@=V;A;<GR@G;EA\
- 1 , ACEFR@W9'@A='<FSSERG'0@CFBG?'GE'=9: 9BES'R9<9@RCD'@A='GR@;A;AW'SRESE<@B<'
- 1 ( : 9R<99'GD9';A: 9<GV9AG'OFA=<'OER'R9<9@RCD'@A='GR@;A;AW'=9: 9BESV9AG'Y;9\OFA=<'OER' S;BEG'<GF=;9<'@A='SRESE<@B'SR9S@R@G;EAZ\
- 1 2RE: ;=9'B9@=9R<D;S'@A='UERX'U;GD'GD9'4 ECGER@B'2REWR@V' , a9CFG;: 9' - EVV;GG99'GE' =9: 9BES'R9<9@RCD'GR@;A;AW'@A='OFA=;AW'ESSERGFA;G;9<'OER'=ECGER@B'<GF=9AG<\
- 1 2REVEG9'R9<9@RCD' : ;<;>;B;G?'9aG9RA@B'GE'GD9' 5 @A=9B'&CDEEB'GDFEWD'=9: 9BES;AW'@' R9<9@RCD'A9U<B9GG9R'I'R9<9@RCD'CEAG9AG'EA'GD9' 5 @A=9B'&CDEEB'U9>'<;G9'I'R9<9@RCD' 09@GFR9<'A' 5 @A=9B'&CDEEB'SF>B;C@G;EA<'@A='R9<9@RCD'>R;90<\
- 1 69C9;: 9'R9SERG'OREV'0@CFBG?'R9SR9<9AG@G;: 9<'GE' . A;: 9R<;G?'69<9@RCD' - EFAC;B'@A=' )@CFBG?'&9A@G9'69<9@RCD' - EVV;GG99'I'@A='<9R: 9'@<'@'CEA=F;G'OER'>R;AW;AW'R9B9: @AG' . A;: 9R<;G?'R9<9@RCD';<<F9<'GE'GD9'&G99R;AW' - EVV;GG99\
- 1 69: ;9U'@A='V@X9'R9CEVV9A=@G;EA'GE'GD9'&G99R;AW' - EVV;GG99'CEAC9RA;AW';<<F9<' R9B@G9='GE';AOERV@G;EA'G9CDAEBEW?'E0'R9<9@RCD'@A='GR@;A;AW\

PTdTL 69<9@RCD' g '\*R@;A;AW'&F>CEVV;GG99'H'&GRFCGFR9'@A=' 5 9V>9R<D;S'

)@CFBG?'YG9AFR9='I'G9AFR9'GR@CXI'AEAJG9AFR9'GR@CXI'<S9C;@BZI'<9A;ER'R9<9@RCD'@<<EC;@G9<' C9AG9R'=';R9CGER<'@A='SR;AC;S@B';A: 9<G;W@GER<'@R9'9B;W;>B9'OER'V9V>9R<D;S'EA'GD9' <F>CEVV;GG99\ '\*D9R9'<DEFB='>9'@'V;A;VfV'E0'<;a'V9V>9R<'E0'GD9'<F>CEVV;GG99I' ;ACBF=;AW' \$<<EC;@G9'49@A'OER'69<9@RCD'@A='\*R@;A;AW'@A='GD9'CD@;R'E0'GD9'=ECGER@B' SREWR@V\ '\*D9'=9@A'E0'GD9'<CDEEB'@A='=;R9CGER'E0'R9<9@RCD'@=V;A;<GR@G;EA'<D@BB'>9'9aJ E00;C;E'V9V>9R<'E0'GD9'<F>CEVV;GG99\ '\*D9'@SSE;AGV9AG'<'DEFB='>9'<G@WW9R9='@A='OER'@' GDR99J?9@R'G9RV\

PTQTK \$<<EC;@G9'49@Ak' - EVV;GG99'EA' - EA<FBG@G;EA'H')FACG;EA'

\*D9'SFRSE<9'E0'GD9' \$<<EC;@G9'49@Ak' - EVV;GG99'EA' - EA<FBG@G;EA';<'GE'SRE: ;=9' CEA<FBG@G;EA'GE'@A?'V9V>9R'E0'GD9'@C@=9V;C'G9@V'UD9A'@'<GF=9AG'<;GF@G;EA'SR9<9AG<' UD;CD'V@?'AEG'U@RR@AG';VV9=;@G9'@=V;A;<GR@G;: 9'@CG;EA1'>FG'UD9R9'V9V>9R<'E0'GD9' @C@=9V;C'G9@V'>9B;9: 9'GD@G'@=;G;EA@B'ER'=';009R9AG'<FSSERG9R<'V@?'>9'A99=9='GE'@<<FR9'

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" +4/6/#'( )!2+/3-4)!.#, +4#!5!789:89;97!

GD@G'GD9'<GF=9AG'D@<'GD9'ESSERGFAG;G?'GE'>9'<FCC9<<0FB';A'GD9'SREWR@V\''\*D9' \$<<EC;@G9'  
49@Ak<' - EVV;GG99'EA' - EA<FBG@G;EA'<D@BB'>9'R9<SEA<;>B9'OER'OERVFB@G;AW'SEB;C;9<'R9B@G9='  
GE'C@RR?;AW'EFG';G<'CEA<FBG@G;;9'0FACG;EA'<'@A='OER'R9CEVV9A=;AW'<FCD'SEB;C;9<'GE'GD9'  
&G99R;AW' - EVV;GG99'@A='O@CFBG?'OER'@CG;EA'

\*D9'CEVV;GG99'<D@BB'V@X9'CEA<FBG@G;EA'=9C;<;EA'<'R9W@R=;AWT'

@\ &GF=9AG<'UDE'@R9'SR9<9AG;AW'SRE>B9V<'9;GD9R';A'GD9'CB@<<REEV'ER';A'GD9'0;9B=1'GD@G'@R9'  
@009CG;AW'GD9;R'S9ROERV@AC9f'

>\ &GF=9AG<'UDE'@R9'>9;AW'SB@C9='EA'=';<C;SB;A@R?'U@RA;AW'ER'SRE>@G;EA'@A='=9:9BES'@'  
S@GG9RA'EO'SRE>B9V@G;C'S9ROERV@AC9';A';;EB@G;EA'EO'GD9'5 @A=9B'&CDEEB'2RE09<<;EA@B'  
- E=9'EO' - EA=FCC'2EB;C?'OEFA=';A'GD9'5 &% '2REWR@V'7A<GRFCGERk<'5 @AF@B'@A='5 &% '  
+ @A=>EEXf'

C\ \$C@=9V;C'V;<CEA=FCC'V@GG9R<'@<'EFGB;A9=';A'GD9' - @<9'%9<G9RA'69<9R:9' . A;:9R<;G?'  
\$C@=9V;C'7AG9WR;G?'&G@A=@R=<'D@<'ECCFRR9=f'

=\ ( GD9R'<;GF@G;EA'<'UD9R9'@'V9V>9R'EO'GD9'@C@=9V;C'G9@V';<'CEAC9RA9='GD@G'GD9'<GF=9AGk<  
S9ROERV@AC9'ER'>9D@:;ER'V@?'AEG'B9@='GE'<FCC9<<0FB'CEVSB9G;EA'EO'GD9'SREWR@V\'

)EBBEU;AW'=9B;>9R@G;EA'<;A'GD;<'CEA<FBG@G;EA'REB91'GD9'CEVV;GG99'<D@BB'R9CEVV9A='@'SB@A'  
EO'@CG;EA'GE'GD9'@<<EC;@G9'=9@A'OER'@C@=9V;C'@00@;R<'7A'C@<9<'UD9R9'<9R;EF<'@C@=9V;C'  
V;<CEA=FCC';<'OEFA=1'GD;<'SB@A'V@?';ACBF=9'R909RR@B'GE'GD9'49@A'EO'hR@=F@G9'&GF=;9<'OER'  
SE<<;>B9'@CG;EAI'@<'SRE:;=9=';A'GD9' - % 6 . '\$C@=9V;C'7AG9WR;G?'&G@A=@R=<'70'GD9'@BB9W9='



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- EA<G;GF9AG'SREWR@V<'@R9T' 5 @<G9R<' ;A' & EC; @B' % ERX' 2REWR@V1' 4 ECGER@B' 2REWR@V1'  
- EAG;AF;AW' , =FC@G;EA' 2REWR@V1' @A= '<FCD'E'GD9R'SREWR@V<'@<'<D@BB'>'9'CR9@G9= \'

#9@=9R<'E0'CEA<G;GF9AG'SREWR@V<'<D@BB'>'9'@SSE;AG9='>'? 'GD9'=9@A';A'CEA<FBG@G;EA'U;GD'GD9'  
&G99R;AW' - EVV;GG99\ '\*D9<'9'S9R<EA<'<D@BB'>'9'CD@RW9='U;GD'R9<SEA<;>;B;G?'OER'9=FC@G;EA@B'  
@A='@=V;A;<GR@G;;9'B9@=9R<D;S'E0'GD9;R'SREWR@V<'@A='U;BB'>'9'R9<SEA<;>;B9'GE'GD9'=9@A';A'@BB'  
V@GG9R<'9aC9Sg'GDE<'9'B?;AW'U;GD;A'GD9'@FGDER;G?'E0'GD9'0@CFBG?'@<'@'UDEB9'ER'UD9R9'  
@FGDER;G?';<'<D@R9='U;GD'@AEGD9R'SREWR@V'E0'GD9'FA;;9R<;G?\'

, @CD'CEA<G;GF9AG'SREWR@V'<D@BB'>'9'ERW@A;[9=';AG9RA@BB?'@<'<S9C;0;9=';A'GD9'>'?B@U<'ER';A'  
CEA<FBG@G;EA'U;GD'GD9'&G99R;AW' - EVV;GG99\'

\$RG;CB9'` `

49@A'E0'\*D9' 5 @A=9B'&CDEEB'

TK \$SSE;AGV9AG'E0'49@A'@A='\*9RV'E0' ( 00;C9'

\*D9'=9@A'E0'GD9' 5 @A=9B'&CDEEB'<D@BB'>'9'@SSE;AG9='OER'@'<S9C;0;9='G9RV'>'? 'GD9'SR9<;=9AG'  
@OG9R'CEA<FBG@G;EA'U;GD'V9V>9R<'E0'GD9'0@CFBG?'@A='GD9'&G99R;AW' - EVV;GG99\'

TL )FACG;EA<'E0'GD9'49@A'

\*D9'=9@A'E0'GD9' 5 @A=9B'&CDEEB'<D@BB'>'9'GD9'CD;90'9a9CFG;;9'E00;C9R'E0'GD9'<CDEEB'@A='  
CD@;RS9R<EA'E0'GD9'0@CFBG?'1'CD@RW9='U;GD'>RE@='R9<SEA<;>;B;G?'E0'R9SR9<9AG;AW';G<;AG9R9<G';A'  
GD9'@C@=9V;C'@A='@=V;A;<GR@G;;9'V@A@W9V9AG'E0'GD9'FA;;9R<;G?'@<'@'UDEB9'@A='<D@BB'  
S9R0ERV'<FCD'E'GD9R'=FG;9<'@<'@R9'<S9C;0;9='9B<9UD9R9';A'GD9<'9'>'?B@U<

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" +4#6%#'( )!2+/3-4)!.#, +4#5!789:89;97!

dTK \$ V9A=V9AG'2REC9=FR9<'

\*D9<9'>?B@U<'V@?'>9@V9A=9='@G'@A?'V99G;AW'E0'GD9'0@CFBG?'>'@':EG9'E0`M'S9RC9AG'E0'  
GD9'V9V>9R<'SR9<9AGI'SRE:;=9='GD@G'GD9'\_FERFV'E0'<FCD'@'V99G;AW'<D@BB'>9`M'S9RC9AG'E0'  
GD9':EG;AW'0@CFBG?'!@A='SRE:;=9='GD@G'GD9'=9@A'<D@BB'D@:9'=';<GR;>FG9='GE'9@CD':EG;AW'  
V9V>9R'E0'GD9'0@CFBG?'@'UR;GG9A'CES?'E0'GD9'SRESE<9='@V9A=V9AG'@G'B9@<'KP'=@?'<'>90ER9'  
GD9'V99G;AW'

)EBBEU;AW';A;G;@B'@V9A=V9AGI'GD9'>?B@U<'<D@BB'>9'<F>V;GG9='GE'GD9'@SSRESR;@G9'CEVV;GG99'  
E0'GD9')@CFBG?'&9A@G9'OER'R9:;9U\''-D@AW9'<FWW9<G9='>'GD@G'CEVV;GG99'<D@BB'>9'  
SR9<9AG9='GE'GD9'&G99R;AW'-E'VV;GG99'OER';G<'@SSRE:@B'@A='GD9A'OERU@R=9='GE'0@CFBG?'OER'  
0;A@B'R9:;9U'@A='@SSRE:@B'F<;AW'GD9'SREC9=FR9'=';<CF<<9='@>E:9'\$SSRE:9='>?B@U<'@R9'  
GD9A'<F>V;GG9='GE'GD9')@CFBG?'&9A@G9'OER'R@G;0;C@G;EA\'

\$RG;CB9'Q'  
6@G;0;C@G;EA'E0'! ?B@U<'

QTK 2REC9=FR9<'

\*D9<9'>?B@U<'<D@BB'>9CEV9'9009CG;:9'UD9A'@SSRE:9='>'GD9'0@CFBG?'@A='R@G;0;9='>'GD9'  
)@CFBG?'&9A@G9\'

QTL - FRR9AG' ! ?B@U<'

\$'CES?'E0'GD9'CFRR9AG'>?B@U<'<D@BB'>9'SRE:;=9='GE'GD9'0@CFBG?'>'GD9'=9@A\'

!"##\$%&'(!)\*!+, '!- ./('0!12, %%0!3.240+\*! | 5.+636'(!)\*!7.240+\*!1'/.+!  
8%&'9)'\$!; <!=>?>!  
5'&6@'(!A'2'9)'\$!; <!=>>>:!  
5'&6@'(!"#60!:B<!=>>C!  
5'&6@'(!7')\$4.\$\*!; <!=>>B!  
5'&6@'(!A'2'9)'\$!=D<!; ; ; ;



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"#\$%#'( )! \*+, '#-!./011-!2+/3-4)!5!!"#"\$%\$&!!!

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"##\$%&' (!!!

!"#\$%&' ( ) \*+&" , -&. ' / 0 ' , &. " , - ) 1&(#+ ' ' 1&' 2&"\*\*13) -&( ' #3" 1&(#3) , #) (&  
#"( )&4 ) ( 0) / , &/ ) ( ) / 5 ) &6 , 35) / ( 30 7&

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!"#\$%#&%!' ( ) &'#\*\*)+\$ " , - \$ '!&- #\*\*)+\$ " , - \$ '!\*& ) , ) "+) \$'#\$\$%' - \$ / &- ' ( ) &  
" - \$ / &- %.' " - \$ / &- "'&# 0 1.' \$) \$2" - \$ / &- "'&# 0 1'# \$%'! \* - 0+# 3' ( # 0 / 3 " 4'

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" +4!6!#'( )!2+/3-4)!.#, +4#!5!789:89;97!

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"#\$%&#'( )! \* +, '#-!./011-!2+/3-4)!5!!"#\$%\$&!!!

" +4!6!#'( )!2+/3-4)!.#, +4#!5!789:89;97!

\*D9'0@CFBG?'CEVV;GG99'<D@BB'>9'CD@;R9='>'GD9'=9@A'@A='<D@BB'V@X9'0ERV@B'R9CEVV9A=@G;EA<'GE'  
GD9'=9@A'@A='GD9'FA;; 9R<;G?'@=V;A;<GR@G;EA\'\*D9'=9@Ak<'SE<;G;EA'<DEFB='AEG'>9';ACBF=9=';A'GD9':EG9'  
E0'GD9'0@CFBG?1'>FG'<DEFB='>9'GR@A<V;GG9='GE'GD9'FA;; 9R<;G?';A'@'<9S@R@G9'R9SERG'@CCEVS@A?;AW'GD9'  
0ERV@B'R9CEVV9A=@G;EA<'<F>V;GG9='>'GD9'CEVV;GG99<'

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!\ 69:;9U'E0'\*9AFR9'\*R@CXI'2R9]\*9AFR9')@CFBG?'

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"\$%&#'( )! \* + , '#-!./011-!2+/3-4)!5!!"#\$%&!!!

" +4!6%#'( )!2+/3-4)!.#, +4#!5!789:89;97!

4\ 5 @G9R;@B'GE'>9'69:;9U9='

K\ -@A=;=@G9<'<D@BB'<F>V;G'GD9'0EBBEU;AW'V@G9R;@B<'GE'GD9'49@AT'

@\ \$ 'CFRR9AG'@A='CEVSB9G9':;G@f'

>\ UR;GG9A'<G@G9V9AG<'E0'<9B0J9 : @BF@G;EA'CE : 9R;AW'GD9'CR;G9R;@'0ER'SREVEG;EA'@A='G9AFR9f'

C\ @'<9B9CG;EA'E0'SF>B;C@G;EA'R9SR;AG<'ER'V@AF<CR;SG'CES;9<'GD@G'GD9'C@A=;=@G9'CEA<;=9R<'R9SR9<9AG@G; : 9'E0'D;<JD9R'<GR9AWGD<'@A='CEAGR;>FG;EA<'SBF<'@A?'R9:;9U<'ER'CEVV9AG@R;9<'EA'GD9'UERXF'

=\ @'B;<G'E0'S9R<EA<'OREV'UDEV'GD9'=9@A'C@A'R9\_F9<G'R909R9AC9<'\*D9<9'<DEFB='>9'S9R<EA<'



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"#\$%#'( )!\*+, '#-!./011-!2+/3-4)!5!!"#"\$%\$&!!!

" +4!6%#'( )!2+/3-4)!.#, +4#!5!789:89;97!

**1+D.3!E!**

**B+/3F8;234!+56!12/.34!87!G+563.!: ,H88.!\*+, -./0!**

!"#\$%	%&'()(\$*!	+,-./!	0##&(-12\$-!!	3&1\$!	4&2 2\$-1/!
T"#\$%!"&%'( )*!	'//0/12-!134,5.//,4!!	7899!10 : .;!70-01.!	( >% \$?! @./!!	#, !6C2-D./!0-!	
&"#\$%" +!	'//,6021.!134,5.//,4!!	7899!10 : .;!<-=.50-01.!	A2=-.9! B6C, ,9!?! @./!	E4,6.=84.!54, :!,84!	

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" +4!6!#'( )!2+/3-4)!.#, +4#!5!789:89;97!

**1+D.3!I**





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! "#\$%&'!( ) \* + , # - ! . / 0 1 1 - ! 2 + / 3 - 4 ) ! 5 ! ! " # \$ % & ' ! !

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<p>·!) X?8HH89?8&amp;B9&amp;C8&gt;?NB9V&amp;O&amp;8WB&lt;89?8&lt;&amp;PI&amp; C8&gt;?NB9V&amp;8W&gt;H : &gt;CBK90&amp;?K : ; 080&amp;C&gt; : VNC&amp;8C?Q&amp; ARL!</p>	<p>·!*&gt;;CB?BG&gt;CBK9&amp;MBCNB9&amp;CN8&amp;0?NKKH&amp;&gt;9&lt;&amp; : 9BW8;OBCI&amp;PI&amp;&gt;00 : YB9V&amp;&lt;&lt;YB9BOC;&gt;CBW8&amp; &gt;9&lt;&amp;KCN8;&amp;;KH80&amp;B9&amp;@8I&amp;&amp;?KY YBCC880!</p>
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<p><b>089 : ; 8&lt;k = k 089 : ; 8k 0 ; &gt; ? @ !</b> A # ; BC8 ; B &gt; &amp; DEF &amp; &gt; GGH I &amp; J K ; &amp; C89 : ; 8 &lt; &amp; &gt; 9 &lt; &amp; C89 : ; 8&amp;C ; &gt; ? @ L !</p>	<p><b>, K9E089 : ; 8k 0 ; &gt; ? @ k = k ( G8?B&gt;H!</b> AMN8 ; 8k ; &gt; 9 @ &amp; BO &amp; &gt; GGH B ? &gt; PH8L &amp; A # ; BC8 ; B &gt; &amp; D &amp; &gt; GGH B 8 O &amp; C K &amp; &gt; HH Q &amp; " C &amp; H 8 &gt; O C &amp; C M K &amp; K J &amp; ? ; BC8 ; B &gt; &amp; R &amp; &amp; S &amp; = &amp; F &amp; &gt; GGH I &amp; C K &amp; 9 K 9 E C 8 9 : ; 8 &amp; C ; &gt; ? @ T &amp; &gt; C &amp; H 8 &gt; O C &amp; K 9 8 &amp; K J &amp; ? ; BC8 ; B &gt; &amp; R &amp; &amp; S &amp; = &amp; F &amp; &gt; GGH B 8 O &amp; C K &amp; O G 8 ? B &gt; HL !</p>
<p>·! " k ; 808 &gt; ; ? N &amp; &gt; ; 8 &amp; &amp; K J &amp; 8 X G 8 ; C B O 8 &amp; B O &amp; 8 W B &lt; 8 9 C Q ! ·! " P B H C I &amp; C K &amp; &gt; C C ; &gt; ? C &amp; J : 9 &lt; B 9 V &amp; J K ; &amp; ; 808 &gt; ; ? N Q &amp; A S L !</p>	<p>G ; K V ; &gt; Y O &amp; &gt; 9 &lt; &amp; B 9 B C B &gt; C B W 8 O &amp; A F L ! ·!) X?8HH89?8&amp;B9&amp;C8&gt;?NB9V&amp;&gt;9&lt;Z/K;&amp;G;&gt;?CB?8Q&amp;ARL! ·! - 8W8HKGY89C&amp;KJ&amp;&gt;;8&gt;&amp;KJ&amp;C8&gt;?NB9V&amp;JK? : 0Q&amp;ARL!</p>

" 668490 ! < . \* + 8 ; < 668 + !

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" ? NB8WB9V& CNBO& ; > 9 @ & ; 8 ^ : B ; 80k ? K9CB9 : 8 < &  
J : HJBHHY89C&KJ&>HH&? ; BC8 ; B > & > C & CN8&>00BOC > 9 C &  
G ; KJ800K ; & H8W8H& & MBCN& CN8& < < < BCBK9& KJ& CN8&  
JKHHKMB9V\_!

·! " ? NB8W8 < & ; 8 ? K V 9 B C B K 9 & > O & > & O ? N K H > ; & K ; & 8 X G 8 ; C &  
B 9 & K 9 8 & K ; & Y K ; 8 & > ; 8 > O & K J & @ 9 K M H 8 < V 8 &  
G ; > ? C B ? 8 & ; 808 > ; ? N & > 9 < & 8 < : ? > C B K 9 & > O &  
8WB<89?8<&PI&8W>H : >CBK9&KJ&8XC8 ; 9 > H&  
> : CNK ; BCB80&>9<&?KHH8>V : 80&B9&CN8&> ; 8 > & K J &  
; 808 > ; ? N & G ; > ? C B ? 8 & K ; & @ 9 K M H 8 < V 8 Q & A D L !  
·! # H 8 > ; & > 9 < & 8 X G H B ? B C & J K ; Y : H > C B K 9 O & K J &  
CN8K ; 8 C B ? > H & > 9 < & W > H : 8 & ? K 9 C 8 9 C & P 8 > ; B 9 V & K 9 & > &  
? K Y G K 9 8 9 C & K J & O K ? B > H & M K ; @ & @ 9 K M H 8 < V 8 & K ; !  
G ; > ? C B ? 8 & > O & 8 W B < 8 9 ? 8 < & P I & ; 808 > ; ? N & !  
< 8 Y K 9 O C ; > C B K 9 & K ; & G ; > ? C B ? 8 & G ; K J 8 ? C O &  
G ; K J 8 O O B K 9 > H & G ; 8089 C > C B K 9 O < !

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Y > C 8 ; B > H O & K ; & K C N 8 ; & Y 8 < B > & Y K 9 K V ; > G N O & K  
; 8 G K ; C O & G > G 8 ; 0 & > ; C B ? H 8 0 & P K K @ & ? N > G C 8 ; O & K ; &  
P K K @ 0 & > ? C B W B C B 8 0 & B 9 & M K ; @ O N K G O & ? K 9 C B 9 : B 9 V &  
8 < : ? > C B K 9 & B 9 0 C B C : C 8 0 & 0 8 Y B 9 > ; 0 & W B O B C B 9 V &  
G ; K J 8 0 0 K ; O N B G O & < W B O K ; I & G > 9 8 H O & 8 C ? Q & A D L !  
· ! . > O C 8 ; I & K J & G 8 < > V K V B ? > H & > P B H B C B 8 0 & ; 8 H 8 W > 9 C &  
C K & O K ? B > H & M K ; @ & 8 < : ? > C B K 9 & B 9 ? H : < B 9 V &

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·! \* > ; CB? BG > CBK 9 & B 9 & ? K Y Y : 9 B C I & M 8 H J > ; 8 &  
> ? CBW B C B 8 0 & > 0 & 8 W B < 8 9 ? 8 < & P I & 0 8 ; W B 9 V & K 9 !





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" +4!6!#'( )!2+/3-4)!.#, +4#!5!789:89;97!

**1+D.3!K'**

**#;8,36 - ;34!78;!\*+, -./0!>3?23@!+56!#;8<8/285A135 - ;3!B854263;+/2854!**

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#' ( ) \* + , - . / 0 , . 1 1 2 \* 3 + , 0 4 , 1 / 4 5 4 0 \* 4 6 + , 7 / 4 5 , 4 6 3 , / . 6 8 , 0 4 , 0 ) 3 , 6 3 9 0 , ) \* : ) 3 / , / . 6 8 ; , 6 4 0 , 6 3 - 3 + + . / \* 2 < , \* 6 \* 0 \* . 2 , . 1 1 4 \* 6 0 5 3 6 0 + ; ,  
3 9 - 3 1 0 , \* 6 , 0 ) 3 , - . + 3 , 4 7 , + 3 - 4 6 = . / < , . 1 1 4 \* 6 0 5 3 6 0 + ' ,

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J . F ' ! K K ! % 3 ! K K